

Human IL-1 α Antibody Pair Set

Catalog No.	E-KAB-0469	Applications	ELISA
Synonyms	IL1A;IL1-A;IL1;IL1F1;Preinterleukin 1 Alpha;Hematopoietin-1;Pro-Interleukin-1-Alpha		

Kit components & Storage

Title	Specifications	Storage
Human IL-1 α Capture Antibody	1 vial, 100 μ g	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human IL-1 α Detection Antibody (Biotin)	1 vial, 50 μ L	Store at -20°C for one year. Avoid freeze/thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

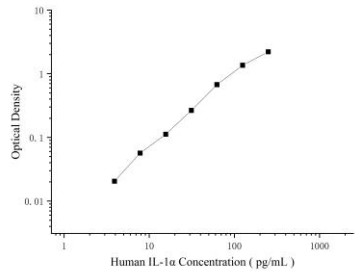
Product Information

Items		Characteristic (E-KAB-0469)	
		Human IL-1 α Capture Antibody	Human IL-1 α Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human IL-1 α protien	Recombinant Human IL-1 α protien
	Swissprot	P01583	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human IL-1 α in ELISAs.	

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Applications

Human IL-1 α Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μ g/mL	Human IL-1 α Capture Antibody	
ELISA Detection	1:1000-1:10000	Human IL-1 α Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease.

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